

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/568,762  
Source: /FWP  
Date Processed by STIC: 2/28/06

# ***ENTERED***

## CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/568,762

CRF Edit Date: 3/2/06  
Edited by: hw

\_\_\_ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:

\_\_\_\_\_

\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

\_\_\_\_\_

\_\_\_ Deleted: \_\_\_ invalid beginning/end-of-file text ; \_\_\_ page numbers

\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_\_\_

\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:

\_\_\_\_\_

\_\_\_ Other:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



IFWf

## RAW SEQUENCE LISTING

DATE: 03/02/2006

PATENT APPLICATION: US/10/568,762

TIME: 16:30:02

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\03022006\J568762.raw

3 <110> APPLICANT: Bayer AG, BHC  
 5 <120> TITLE OF INVENTION: Diagnostics and Therapeutics for Diseases Associated with  
 Kallikrein 8  
 6 (KLK8)  
 8 <130> FILE REFERENCE: Le A 36 870  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/568,762  
 C--> 10 <141> CURRENT FILING DATE: 2006-02-21  
 10 <160> NUMBER OF SEQ ID NOS: 5  
 12 <170> SOFTWARE: PatentIn version 3.1  
 14 <210> SEQ ID NO: 1  
 15 <211> LENGTH: 783  
 16 <212> TYPE: DNA  
 17 <213> ORGANISM: Homo sapiens  
 19 <400> SEQUENCE: 1  
 20 atgggacgcc cccgacctcg tgcggccaag acgtggatgt tcctgctctt gctgggggga 60  
 21 gcctgggcag gacactccag ggcacaggag gacaagggtgc tgggggggtca tgagtgccaa 120  
 22 ccccatctgc agccttggca ggcgcccttg ttccagggcc agcaactact ctgtggcggt 180  
 23 gtccttgtag gtggcaactg ggctcttaca gctgcccact gtaaaaaacc gaaatacaca 240  
 24 gtacgcctgg gagaccacag cctacagaat aaagatggcc cagagcaaga aatacctgtg 300  
 25 gttcagtcca tcccacaccc ctgctacaac agcagcgatg tggaggacca caaccatgat 360  
 26 ctgatgcttc ttcaactgcg tgaccaggca tccctgggggt ccaaagtga gcccacagc 420  
 27 ctggcagatc attgcacca gcctggccag aagtgcaccg tctcaggctg gggcactgtc 480  
 28 accagtcccc gagagaattt tcctgacact ctcaactgtg cagaagtaaa aatctttccc 540  
 29 cagaagaagt gtgaggatgc ttaccggggg cagatcacag atggcatggt ctgtgcaggc 600  
 30 agcagcaaag gggctgacac gtgccagggc gattctggag gccccctggt gtgtgatggt 660  
 31 gcactccagg gcatcacatc ctggggctca gaccctgtg ggagggtccga caaacctggc 720  
 32 gtctatacca acatctgccg ctacctggac tggatcaaga agatcatagg cagcaagggc 780  
 33 tga 783  
 35 <210> SEQ ID NO: 2  
 36 <211> LENGTH: 260  
 37 <212> TYPE: PRT  
 38 <213> ORGANISM: Homo sapiens  
 40 <400> SEQUENCE: 2  
 41 Met Gly Arg Pro Arg Pro Arg Ala Ala Lys Thr Trp Met Phe Leu Leu  
 42 1 5 10 15  
 43 Leu Leu Gly Gly Ala Trp Ala Gly His Ser Arg Ala Gln Glu Asp Lys  
 44 20 25 30  
 45 Val Leu Gly Gly His Glu Cys Gln Pro His Ser Gln Pro Trp Gln Ala  
 46 35 40 45  
 47 Ala Leu Phe Gln Gly Gln Gln Leu Leu Cys Gly Gly Val Leu Val Gly  
 48 50 55 60  
 49 Gly Asn Trp Val Leu Thr Ala Ala His Cys Lys Lys Pro Lys Tyr Thr  
 50 65 70 75 80  
 51 Val Arg Leu Gly Asp His Ser Leu Gln Asn Lys Asp Gly Pro Glu Gln

## RAW SEQUENCE LISTING

DATE: 03/02/2006

PATENT APPLICATION: US/10/568,762

TIME: 16:30:02

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\03022006\J568762.raw

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52          85          90          95
53 Glu Ile Pro Val Val Gln Ser Ile Pro His Pro Cys Tyr Asn Ser Ser
54          100          105          110
55 Asp Val Glu Asp His Asn His Asp Leu Met Leu Leu Gln Leu Arg Asp
56          115          120          125
57 Gln Ala Ser Leu Gly Ser Lys Val Lys Pro Ile Ser Leu Ala Asp His
58          130          135          140
59 Cys Thr Gln Pro Gly Gln Lys Cys Thr Val Ser Gly Trp Gly Thr Val
60 145          150          155          160
61 Thr Ser Pro Arg Glu Asn Phe Pro Asp Thr Leu Asn Cys Ala Glu Val
62          165          170          175
63 Lys Ile Phe Pro Gln Lys Lys Cys Glu Asp Ala Tyr Pro Gly Gln Ile
64          180          185          190
65 Thr Asp Gly Met Val Cys Ala Gly Ser Ser Lys Gly Ala Asp Thr Cys
66          195          200          205
67 Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Asp Gly Ala Leu Gln Gly
68          210          215          220
69 Ile Thr Ser Trp Gly Ser Asp Pro Cys Gly Arg Ser Asp Lys Pro Gly
70 225          230          235          240
71 Val Tyr Thr Asn Ile Cys Arg Tyr Leu Asp Trp Ile Lys Lys Ile Ile
72          245          250          255
73 Gly Ser Lys Gly
74          260
76 <210> SEQ ID NO: 3
77 <211> LENGTH: 21
78 <212> TYPE: DNA
79 <213> ORGANISM: artificial sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: forward primer
84 <400> SEQUENCE: 3
85 cctggcgtct ataccaacat c 21
87 <210> SEQ ID NO: 4
88 <211> LENGTH: 19
89 <212> TYPE: DNA
90 <213> ORGANISM: artificial sequence
92 <220> FEATURE:
93 <223> OTHER INFORMATION: reverse primer
95 <400> SEQUENCE: 4
96 atcagccctt gctgcctat 19
98 <210> SEQ ID NO: 5
99 <211> LENGTH: 27
100 <212> TYPE: DNA
101 <213> ORGANISM: artificial sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: probe
106 <400> SEQUENCE: 5
107 cgctacctgg actggatcaa gaagatc 27

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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/568,762

DATE: 03/02/2006

TIME: 16:30:03

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\03022006\J568762.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

**Raw Sequence Listing before editing  
(for reference only)**



IFWP

## RAW SEQUENCE LISTING

DATE: 02/28/2006

PATENT APPLICATION: US/10/568,762

TIME: 15:13:45

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\02282006\J568762.raw

3 <110> APPLICANT: Bayer AG, BHC  
 5 <120> TITLE OF INVENTION: Diagnostics and Therapeutics for Diseases Associated with  
 Kallikrein 8

6 (KLK8)

8 &lt;130&gt; FILE REFERENCE: Le A 36 870

C--&gt; 10 &lt;140&gt; CURRENT APPLICATION NUMBER: US/10/568,762

C--&gt; 10 &lt;141&gt; CURRENT FILING DATE: 2006-02-21

10 &lt;160&gt; NUMBER OF SEQ ID NOS: 5

12 &lt;170&gt; SOFTWARE: PatentIn version 3.1

14 &lt;210&gt; SEQ ID NO: 1

15 &lt;211&gt; LENGTH: 783

16 &lt;212&gt; TYPE: DNA

17 &lt;213&gt; ORGANISM: Homo sapiens

19 &lt;400&gt; SEQUENCE: 1

20 atggggacgcc cccgacctcg tgcggccaag acgtggatgt tcctgctctt gctgggggga 60  
 21 gcctgggagcag gacactccag ggcacaggag gacaagggtc tgggggggtca tgagtgccaa 120  
 22 cccatttcgc agccttggca ggcggccttg ttccagggcc agcaactact ctgtggcggg 180  
 23 gtcctttag gtggcaactg ggtccttaca gctgcccact gtaaaaaacc gaaatacaca 240  
 24 gtacgcctgg gagaccacag cctacagaat aaagatggcc cagagcaaga aatacctgtg 300  
 25 gttcagtcca tcccacaccc ctgctacaac agcagcgatg tggaggacca caaccatgat 360  
 26 ctgatgcttc ttcaactgcg tgaccaggca tccctggggg ccaaagtga gcccacgagc 420  
 27 ctggcagatc attgcacca gcctggccag aagtgcaccg tctcaggctg gggcactgtc 480  
 28 accagtcccc gagagaattt tcctgacact ctcaactgtg cagaagtaaa aatctttccc 540  
 29 cagaagaagt gtgaggatgc ttaccggggg cagatcacag atggcatggt ctgtgcaggc 600  
 30 agcagcaaag gggctgacac gtgccagggc gattctggag gcccctggt gtgtgatggt 660  
 31 gcactccagg gcatcacatc ctgggggtca gaccctgtg ggaggtccga caaacctggc 720  
 32 gtctatacca acatctgccg ctacctggac tggatcaaga agatcatagg cagcaagggc 780  
 33 tga 783

35 &lt;210&gt; SEQ ID NO: 2

36 &lt;211&gt; LENGTH: 260

37 &lt;212&gt; TYPE: PRT

38 &lt;213&gt; ORGANISM: Homo sapiens

40 &lt;400&gt; SEQUENCE: 2

41 Met Gly Arg Pro Arg Pro Arg Ala Ala Lys Thr Trp Met Phe Leu Leu  
 42 1 5 10 15  
 43 Leu Leu Gly Gly Ala Trp Ala Gly His Ser Arg Ala Gln Glu Asp Lys  
 44 20 25 30  
 45 Val Leu Gly Gly His Glu Cys Gln Pro His Ser Gln Pro Trp Gln Ala  
 46 35 40 45  
 47 Ala Leu Phe Gln Gly Gln Gln Leu Leu Cys Gly Gly Val Leu Val Gly  
 48 50 55 60  
 49 Gly Asn Trp Val Leu Thr Ala Ala His Cys Lys Lys Pro Lys Tyr Thr  
 50 65 70 75 80  
 51 Val Arg Leu Gly Asp His Ser Leu Gln Asn Lys Asp Gly Pro Glu Gln

Does Not Comply  
 Corrected Diskette Needed

PP.2-3

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/568,762

DATE: 02/28/2006

TIME: 15:13:45

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\02282006\J568762.raw

```

52          85          90          95
53 Glu Ile Pro Val Val Gln Ser Ile Pro His Pro Cys Tyr Asn Ser Ser
54          100          105          110
55 Asp Val Glu Asp His Asn His Asp Leu Met Leu Leu Gln Leu Arg Asp
56          115          120          125
57 Gln Ala Ser Leu Gly Ser Lys Val Lys Pro Ile Ser Leu Ala Asp His
58          130          135          140
59 Cys Thr Gln Pro Gly Gln Lys Cys Thr Val Ser Gly Trp Gly Thr Val
60 145          150          155          160
61 Thr Ser Pro Arg Glu Asn Phe Pro Asp Thr Leu Asn Cys Ala Glu Val
62          165          170          175
63 Lys Ile Phe Pro Gln Lys Lys Cys Glu Asp Ala Tyr Pro Gly Gln Ile
64          180          185          190
65 Thr Asp Gly Met Val Cys Ala Gly Ser Ser Lys Gly Ala Asp Thr Cys
66          195          200          205
67 Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Asp Gly Ala Leu Gln Gly
68          210          215          220
69 Ile Thr Ser Trp Gly Ser Asp Pro Cys Gly Arg Ser Asp Lys Pro Gly
70 225          230          235          240
71 Val Tyr Thr Asn Ile Cys Arg Tyr Leu Asp Trp Ile Lys Lys Ile Ile
72          245          250          255
73 Gly Ser Lys Gly
74          260

```

76 &lt;210&gt; SEQ ID NO: 3

77 &lt;211&gt; LENGTH: 21

78 &lt;212&gt; TYPE: DNA

79 &lt;213&gt; ORGANISM: artificial sequence

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84 &lt;400&gt; SEQUENCE: 3

85 cctggcgtct ataccaacat c

21

87 &lt;210&gt; SEQ ID NO: 4

88 &lt;211&gt; LENGTH: 19

89 &lt;212&gt; TYPE: DNA

90 &lt;213&gt; ORGANISM: artificial sequence

92 &lt;220&gt; FEATURE:

93 &lt;223&gt; OTHER INFORMATION: reverse primer

95 &lt;400&gt; SEQUENCE: 4

96 atcagccctt gctgcctat

19

98 &lt;210&gt; SEQ ID NO: 5

99 &lt;211&gt; LENGTH: 27

100 &lt;212&gt; TYPE: DNA

101 &lt;213&gt; ORGANISM: artificial sequence

103 &lt;220&gt; FEATURE:

104 &lt;223&gt; OTHER INFORMATION: probe

106 &lt;400&gt; SEQUENCE: 5

107 cgctacctgg actggatcaa gaagatc

27

W--&gt; 109 Le A 36 870-Foreign Countries

W--&gt; 112 - 2 -



RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/568,762

DATE: 02/28/2006

TIME: 15:13:45

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\02282006\J568762.raw

W--> 116 Le A 36 870-Foreign Countries

W--> 119 - 1 -

**VERIFICATION SUMMARY**

DATE: 02/28/2006

PATENT APPLICATION: US/10/568,762

TIME: 15:13:46

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\02282006\J568762.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:109 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:5  
L:112 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5  
L:116 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:5  
L:119 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5